

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

To investigate the effect of using checklist on intensive care nurses' knowledge and performance in measurement of central venous pressure and evaluating nurses' satisfaction with applying this tool

Protocol summary

Summary

Study purpose: To investigate the effect of using checklist on intensive care nurses' knowledge and performance in measurement of central venous pressure and evaluating nurses' satisfaction with applying this tool
Study design: Non-randomized controlled trial (before and after)
Study population: All nurses working in ICU of Khatam-ol-Anbia Hospital
Inclusion criteria: Nurses with bachelor's degree or higher; at least six months experience in a critical care
Exclusion criteria: Unwillingness to continue participation in the study; moving to other wards during the study; participation in some training courses related to the research subject during the study; doing the procedure less than twice during the intervention
Sample size: At least 30 nurses in each group
Study intervention: Eligible nurses divided in experiment and control groups non randomly. Then, in the experiment group, nurses will fill a nurses' intervention checklist after each measurement of CVP for one month. Before and after this, their performance in measuring CVP will evaluate by an observational checklist and their knowledge about CVP will assess using a questionnaire. As well, at the end of intervention their satisfaction with this documentation will investigate by a questionnaire. In control group, no intervention will performance and nurses measure CVP just according to routine. Before and after one month, their knowledge and performance will evaluate by a questionnaire and an observational checklist, respectively. Time of intervention: 4 months
Study outcomes: Knowledge, performance, satisfaction

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201412028100N5**

Registration date: **2015-01-09, 1393/10/19**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-01-09, 1393/10/19

Registrant information

Name

Masoomeh Imanipour

Name of organization / entity

Tehran University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2014-12-22, 1393/10/01

Expected recruitment end date

2015-04-21, 1394/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

To investigate the effect of using checklist on intensive care nurses' knowledge and performance in

measurement of central venous pressure and evaluating nurses' satisfaction with applying this tool

Public title
Using checklist for documentation of nurses' intervention

Purpose
Other

Inclusion/Exclusion criteria
Inclusion criteria: nurses with bachelor's degree or higher; At least six months experience in a critical care
Exclusion criteria: unwillingness to continue participation in the stud; moving to other wards during the study; participation in some training courses related to the research subject during the study; doing the procedure less than twice during the intervention

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 60

Randomization (investigator's opinion)
Not randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics Committee of Tehran University of Medical Sciences

Street address
Sixth Floor, Central Office of Tehran University of Medical Sciences, Qods St, Keshavarz Blvd

City
Tehran

Postal code

Approval date
2014-08-09, 1393/05/18

Ethics committee reference number
130/1095/d/93

Health conditions studied

empty

Primary outcomes

1

Description

Performance

Timepoint

After the intervention

Method of measurement

Observational checklist

2

Description

Knowledge

Timepoint

After the intervention

Method of measurement

Questionnaire

Secondary outcomes

1

Description

Satisfaction

Timepoint

After the intervention

Method of measurement

Questionnire

Intervention groups

1

Description

Intervention group: Using a checklist for documentation of nursing intervention related to measuring CVP for a month

Category

Other

2

Description

Control group: Routine nursing intervention without using a checklist for documentation

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Khatam-Ol-Anbia Hospital

Full name of responsible person

Farshid Mirzaeipour

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Rashid Yasemi Av., Valiasre St., Tehran

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor of research, Tehran University of Medical Sciences

Full name of responsible person

Dr. Masood Younesian - Vice President of Research and Technology

Street address

Sixth Floor, Central Office of Tehran University of Medical Sciences, Qods St., Keshavarz Bulvd

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice chancellor of research, Tehran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Farshid Mirzaeipour

Position

Master of science in critical care nursing

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty